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AF/3732

Attorney's Entry No.: 09943-006001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Timothy N. Jones, et al. Art Unit : 3732
Serial No. : 09/264,547 Examiner : J. Wilson
Filed : March 8, 1999
Title : SUBDIVIDING A DIGITAL DENTITION MODEL

TC 3700 MAIL ROOM

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BOX AF
Commissioner for Patents
Washington, D.C. 20231

SECOND RESPONSE AFTER FINAL OFFICE ACTION

This paper is filed in response to the final Office Action mailed November 3, 2000, and the Advisory Action mailed February 27, 2001. Please amend the application indicated below.

In the Claims:

Please amend claims 1, 75, 98, 121, 147, and 170 to read as follows.

1. (Amended) A method for use in creating a digital model of an individual component of a patient's dentition, the method comprising:

- (a) scanning the patient's dentition, or a physical model thereof, to produce a data set that forms a three-dimensional (3D) representation of the patient's dentition;
- (b) applying a computer-implemented test to the data set to identify data elements that represent portions of an individual component of the patient's dentition; and
- (c) creating a digital model of the individual component based upon the identified data elements;

wherein applying the computer-implemented test is carried out by a computer without human intervention.

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